

# ● PRINTER RUSH ●

## (PTO ASSISTANCE)

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**[RUSH] MESSAGE:**

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*on page 2, line 3:*  
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 REV 10/04

## Patent Application

for

A SYSTEM AND METHOD FOR REWRITING A MEDIA RESOURCE REQUEST  
AND/OR RESPONSE BETWEEN ORIGIN SERVER AND CLIENT

by

Nils B. Lahr

This application claims benefit under 35 U.S.C. § 119(e) of a U.S. provisional application of Nils B. Lahr entitled "Method of Rewriting Metafile Between Origin Server and Client", Serial No. 60/178,750, filed January 28, 2000, the entire contents of which is incorporated herein by reference.

5


Cross Reference to Related Applications:

Related subject matter is disclosed in co-pending U.S. patent application of Nils B. Lahr et al., filed September 28, 1998, entitled "Streaming Media Transparency" (~~attorney's~~ *Ser. No. 09162106* ~~file BCC-P001~~); in co-pending U.S. patent application of Nils B. Lahr, filed even date herewith, entitled "Method and Apparatus for Encoder-Based Distribution of Live Video and Other Streaming Content" (~~attorney's file 39512A~~ *Ser. No. 09770633*); in co-pending U.S. patent application of Nils B. Lahr, filed even date herewith, entitled "A System and Method for Determining Optimal Server in a Distributed Network for Serving Content Streams", (~~attorney's file 39551A~~ *Ser. No. 09770642*); in co-pending U.S. patent application of Nils B. Lahr, filed even date herewith, entitled "Method and Apparatus for Client-Side Authentication and Stream Selection in a Content Distribution System" (~~attorney's file 39505A~~ *Ser. No. 09770632*); in co-pending U.S. patent application of Nils B. Lahr, filed even date herewith, entitled "Method and System for Real-Time Distributed Data Mining and Analysis for Networks" (~~attorney's file 39510A~~ *Ser. No. 09770641*); in co-pending U.S. patent application of Nils B. Lahr et al., filed even date herewith, entitled "Method and Apparatus for Mirroring and Caching of Compressed Data in a Content Distribution System" (~~attorney's file 39565A~~ *Ser. No. 09770681*); in co-pending U.S. patent application of Nils B. Lahr, filed even

10

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date herewith, entitled "Method of Utilizing a Single Uniform Resource Locator for Resources with Multiple Formats", <sup>Ser. No. 09770682</sup> (attorney's file 39502A); and in co-pending U.S. patent application of Nils B. Lahr, filed even date herewith, entitled "A System and Method for Performing Broadcast-Enabled Disk Drive Replication in a Distributed Data Delivery Network" <sup>Ser. No. 09770680</sup> (attorney's file 39564A); the entire contents of each of these applications being expressly incorporated herein by reference.

### BACKGROUND OF THE INVENTION

#### Field of the Invention:

The present invention relates to a distributed network which is capable of dynamically changing media resource request metafiles, as well as the responses to those media resource requests by media servers in the network, to provide more efficient content delivery in the network. More particularly, the present invention relates to a system and method capable of being employed in a distributed network for intercepting a media resource request metafile or a response to the media resource request by a media server in the network, and intelligently re-writing the response before sending the response to the media server or back to the requesting client, to thus improve content delivery in the network.

#### Description of the Related Art:

In recent years, the Internet has become a widely used medium for communicating and distributing information. Currently, the Internet can be used to transmit multimedia data, such as streaming audio and video data, from content providers to end users, such as businesses, small or home offices, and individuals.

As the use of the Internet increases, the Internet is becoming more and more congested. Since the Internet is essentially a network of connected computers distributed throughout the world, the activity performed by each computer or server to transfer information from a particular source to a particular destination naturally increases in conjunction with increased Internet use. Each computer is generally referred to us as a